

About Our Speakers...



Steve Sauer graduated from the University of Wisconsin-Madison in 1970 with a Bachelor's of Science degree in Metallurgical Engineering. While in college, he worked summers as an engineering student in training for the John Deere Dubuque Foundry. Upon graduation Steve went to work for The Central Foundry Division of General Motors in Saginaw Michigan. In 1975, Steve joined the John Deere Waterloo Foundry, Process Control Division and held several positions, including General Supervisor Metallurgical Services. In 1985, Steve came to work for Carpenter Brothers, Inc. as Corporate Metallurgist and Sales representative. Steve is very active in AFS, both nationally and locally. He is currently a member of the 5A, 5B, 5J, and 5L committees of the Cast Iron Division of AFS. In 1984, he was the co-author of the AFS International Exchange paper presented in Lisbon, Portugal. He is past Chairman of the Northeast Wisconsin chapter of AFS, a past Chairman of the AFS Hawkeye Chapter, and past Chairman of the AFS Wisconsin Chapter Cast Iron Committee. In addition, he has presented papers at both the national and local AFS levels. Steve was the recipient of the an AFS Service Citation at the Kansas City Casting AFS Congress in 2002. Steve is also on the Board of the Ductile Iron Society and a member of the Research Committee.

Tom Davies is Executive Vice President of Carpenter Brothers, Inc. in Milwaukee, Wisconsin. He graduated from Cornell College with a Bachelor's degree in Economics and Business. Tom is very active in AFS on a national and local level. He is past chairman of the AFS Technical Council and the Molding Methods and Materials Division of AFS. He has served the Wisconsin Chapter of AFS in many capacities and is a past president. In addition, Tom has lectured at many CMI courses and is a past chairman of CMI. Tom recently served on the national AFS Board of Directors and is a Regional Chairman of the Foundry Educational Foundation. In 1986, Tom was awarded the AFS Service Citation; in 1993, he received the AFS Award of Scientific Merit. In 1998, he received the AFS Gold Medal.

The Peoria Chapter of ASM International
January 12, 2004 at the
Mark Twain Hotel - Packard Plaza

The Peoria Chapter of ASM International and American Foundry Society

Present

CASTING DEFECTS: METAL OR SAND?

Steve Sauer & Thomas H. Davies

YOUNG MEMBERS NIGHT

Social Hour - 4:30pm • Dinner - 5:30pm

Technical Talk - 6:00pm

Prepaid Reservations Required by January 7, 2004!! Reservations are **\$15.00**.
Call Ron Morgan at (309) 675-0451 Morgan_Ronald_G@cat.com.
Please make all checks payable to "Peoria Chapter of ASM".

Casting Defects: Sand or Metal?

The presentation will be a discussion of major defects from a sand and metal standpoint. The defects covered relative to sand are gas porosity, inclusions, burn-in/burn-on, and expansion defects. The stage is set by outlining a casting loss reduction program and the sand related causes and cures. Then the metallurgical controls from charge material selection to molding necessary to produce sound castings are covered. The presentation includes numerous examples of casting processes and casting defects.

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Reservation Contact Change

Please contact Ron Morgan with your reservation for the technical meeting this month. Our Reception committee chair Haidong Zhang will return from China after the reservations need to be in on January 7. You can reach Ron at (309) 675-0451 or Morgan_Ronald_G@cat.com. We look forward to seeing you in January.

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